

c.) **Amendments to the Claims.**

Please amend claims 7, 17 and 18 as follows:

Claim 1. (previously presented) A transformed plant or the progeny of said transformed plant, wherein a regulatory sequence or a gene copy number of an ATP/ADP translator gene of said transformed plant is modified in comparison with a corresponding untransformed plant, and said modification comprises exhibiting one or more amino acids simultaneously and in modified amounts.

Claim 2. (previously presented) The transformed plant or the progeny of said transformed plant of claim 1, which has an increased transport capacity for ATP into the chloroplastic membrane of said transformed plant.

Claim 3. (previously presented) The transformed plant or the progeny of said transformed plant of claim 1, which exhibits one or more essential amino acids in modified amounts.

Claim 4. (previously presented) The transformed plant or the progeny of said transformed plant of claim 1, which exhibits one or more essential amino acids in increased amounts over that of the untransformed plant.

Claim 5. (previously presented) The transformed plant or the progeny of said transformed plant of claim 1, which is a useful plant.

Claim 6. (previously presented) An ATP/ADP translocator gene of the transformed plant of claim 1, comprising an *Arabidopsis thaliana* nucleotide sequence (EMBL Accession No. Z49227) encoding the amino acid sequence of SEQ ID NO 1.

Claim 7. (currently amended) The transformed plant or the progeny of said transformed plant of claim 1, wherein the ATP/ADP translocator gene of claim 6, further comprising comprises a

naturally found, chemically synthesized, modified, or artificially generated nucleotide sequence that encodes an ATP/ADP translocator gene.

Claim 8. (previously presented) The ATP/ADP translocator gene of claim 6, comprising one or more operably linked, regulatory nucleotide sequences.

Claim 9. (previously presented) The ATP/ADP translocator gene of claim 6, comprising an upstream operably linked promoter.

Claim 10. (previously presented) A gene structure comprising the ATP/ADP translocator gene of claim 6 and a regulatory sequence linked operably to said gene structure.

Claim 11. (previously presented) A vector comprising the ATP/ADP translocator gene of claim 6.

Claim 12. (previously presented) The vector of claim 11, further comprising one or more regulatory nucleotide sequences.

Claim 13. (previously presented) A seed of the transformed plant or the progeny of said transformed plant of claim 1.

Claim 14. (previously presented) A plant cell or tissue capable of propagation from the transformed plant of claim 1.

Claim 15. (previously presented) A method of generating a plant with an increased amino acid content, comprising transforming said plant with the ATP/ADP translocator gene of claim 6.

Claim 16. (previously presented) The transformed plant of claim 1, which is a useful plant or fodder plant.

Claim 17. (currently amended) The transformed plant or the progeny of said transformed plant ~~ATP/ADP translocator gene~~ of claim 6 1, ~~further comprising wherein the ATP/ADP translocator gene comprises~~ a heterologous nucleotide sequence that encodes an ATP/ADP translocator gene or an allelic variation or isoform thereof.

Claim 18. (currently amended) The vector of claim 12, wherein the one or more regulatory nucleotide sequences are selected from the group consisting of promoters, terminators, translation enhancers, nucleotide sequences for replication in a suitable host cell, nucleotide ~~sequenc3es~~ sequences for integration into a genome, and combinations thereof.